Declassified in Part - Sanitized Copy Approved for Releas CONFID	e 2011/12/28 : CIA-RDP78-03	300A001600020030-8	3
المتاريخ			
	21 February 1956	P-101B	
	ZI TOSTALLY 1770		0EV4
MEMORANDUM FOR: THE RECORD			25X1
SUBJECT : Beam Interference Communications Un	(Feedback) Tests on the it IS-1	IR	25 X 1
1. <u>Time and Place:</u> 13-14 Fo	ebruary 1956, New London,	Connecticut	
a. Five IS-1's were taken to in an effort to determine the feasibility of duplex operation of IR commo systems. The five equipments arrived in good condition and numerous tests were conducted both day and night under good weather conditions.			25 X 1
b. Range for all tests transceivers were used on eith aligned. Optical centers were overlap was proved by receiving while transmitting from either c. During initial tests was present, though not suffice impossible. Experimentation aby acoustical coupling rather	ner end and each was indice approximately 15" aparting with both units on one unit on the other end. it appeared that some fercient to render communications of the communication of the communicatio	vidually' • Beam • end • edback • tions	
d. It was found that at was not collimated as the bear imately 25 feet at $\frac{1}{4}$ mile. What a phenominon which sound ed lill level was down as would be exposerved by also. A	n and cross hairs were of nen alignment was made op we distortion occurred.	f approx- tically, Signal has been	25X1
	TSS/APD		25 X 1
Dist 5 ibution: 1 - P-101B 1 - Chrono 1 - RTW			25X1
RW/lj			
CONF	IDENTIAL		